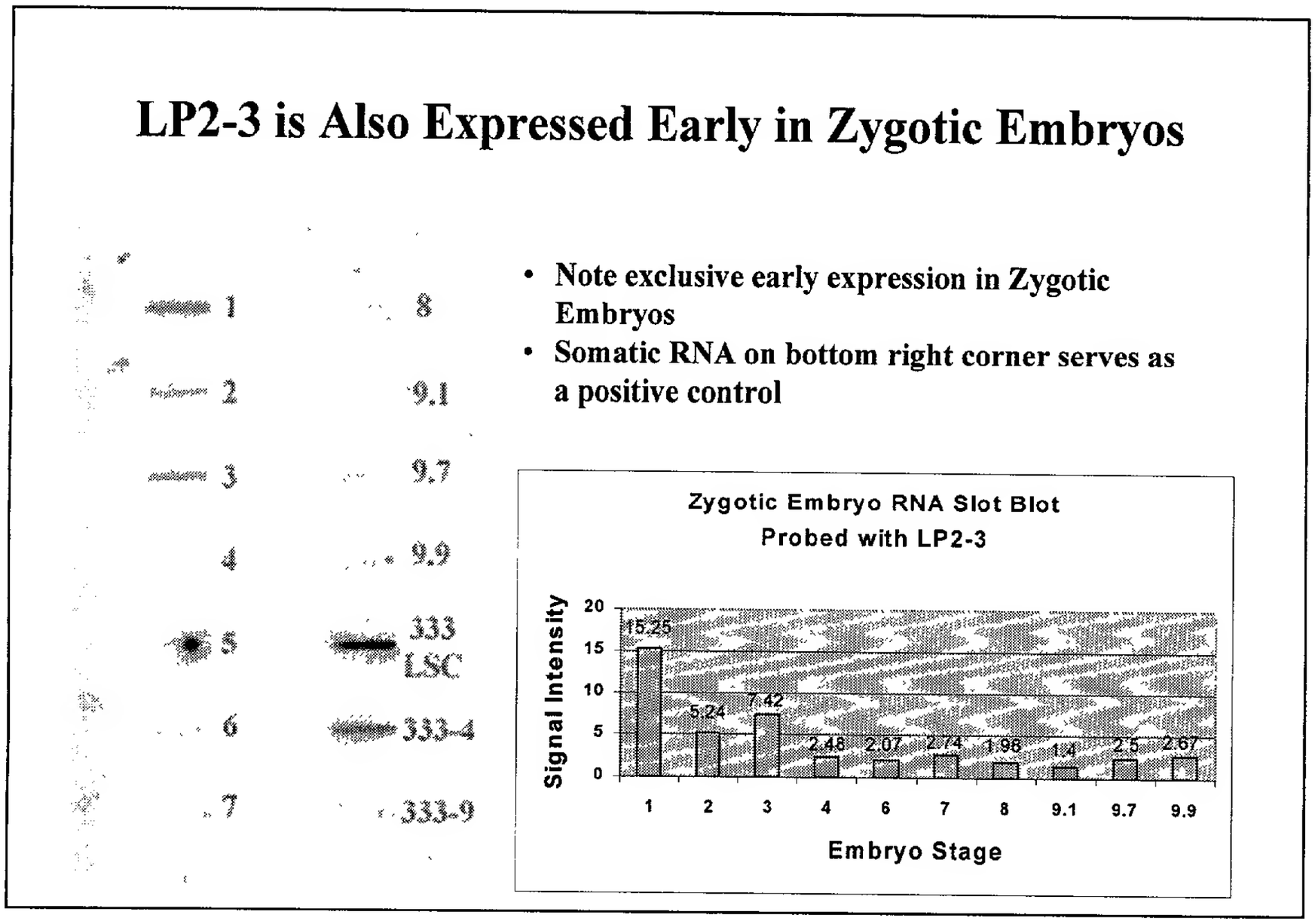
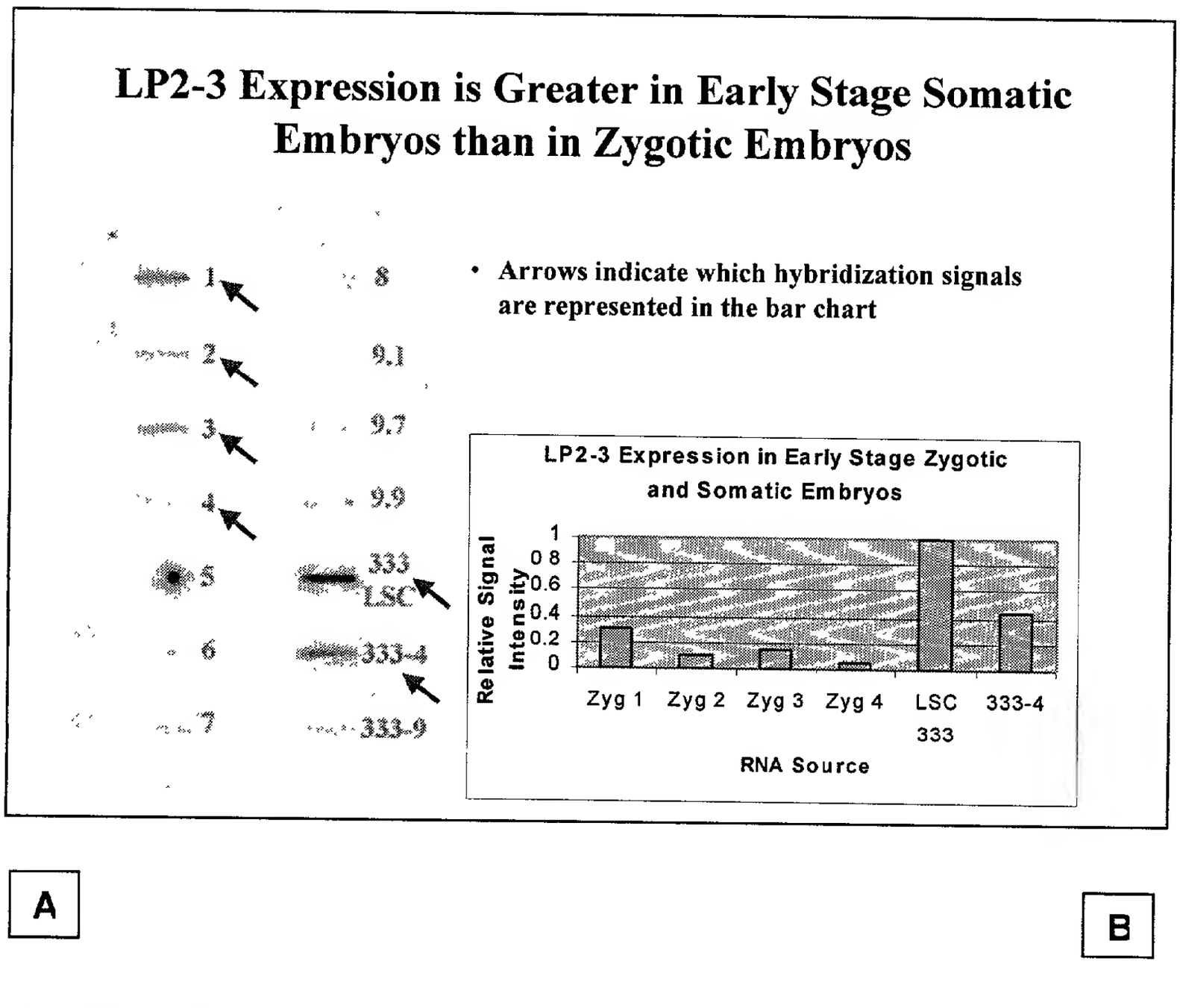
FIGURE 13



Figures 13A & 13B. Image (A) and quantification (B) of a total RNA slot blot probed with an LP2-3-specific probe. Isolation of zygotic embryos used in this experiment. From June to September 1996, open-pollinated cones were collected from Union Camp mother tree UC5-1036 were packed on ice and shipped overnight to IPST. Seeds were removed from cones, cracked with a hemostat, and dissected with scalpel and forceps. From each seed the intact ovule was extracted and the megametophyte was sliced open. Embryos were removed, visually judged for stage of development (Pullman & Webb 1994), plunged into liquid nitrogen and stored (20 embryos per 2 mL cryogenic vial (Nalgene Cat. No. 5000)) at -70°C. For somatic embryos, liquid suspension tissue (LSC) was collected, dried by squeezing gently in miracloth (Behring Diagnostics), plunged into liquid nitrogen, and stored at -70°C. Similarly, later stage somatic embryos were plucked from culture, assessed for stage of development, plunged into liquid nitrogen, and stored in vials of 20 to 25 embryos at -70°C.

FIGURE 14



Figures 14A & 14B. Image (A) is as shown in Fig. 13A. The quantified expression of early stage zygotic embryos compared to early stage somatic embryos shown in Fig. B